

Abstract

An automatic adaptive dimensioning program for CAD software in which dimension annotations are created by the CAD program automatically as an object is drawn and automatically associated with the object. Thereafter, changing the length of the object automatically changes the associated dimension annotation, or alternatively, changing the associated dimension annotation automatically changes the length of the object. When another object is interposed into or superposed onto an intermediate position of the existing object, the automatic adaptive dimensioning annotation feature of the invention automatically creates dimension annotations corresponding to the position of the new object relative to the existing object. The new object can be automatically positioned in relation to the existing object by specifying interposition dimensions or segment lengths in the dimension annotations.

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